



Microsoft designed the ASP.NET technology, as part of its overall .NET strategy to provide a very powerful platform for developing distributed Web applications. The instructional strategy for this course emphasizes project based learning practical real-life problem solving skills and getting started with Asp.Net 3.5 programming using VS 2008 as quickly as possible.

### **INTRO TO WEB TECHNOLOGIES**

- HTML
- Client side scripting langs
- IIS Architecture

### **ASP.NET INTRO**

- What is ASP.NET
- Image Technique and code behind technique

### **SERVER SIDE CONTROLS**

- Type of server controls
- Examples on Web server controls
- Validation Controls
- ASP.NET Page Execution Architecture

### **THEME AND SKIN**

### **STATE MANAGEMENT**

- Cookies
- Session State
- Session Tracking Arch
- Application object
- Session and App events
- Global. AJAX
- Viewstate

## **ADO.NET**

- Intro to ADO.NET Providers
- Data Reader
- Dataset
- Datalist
- Repeater
- Datasource Controls
- Grid view
- Details view
- List view

## **LINQ**

## **CACHING**

- Importance of Caching ASP 3.0 Support for Caching
- Type of Caching in ASP.NET
- Output Caching
- Web user control(VS) custom control
- Fragment caching
- Data caching vs Application object

## **ASP.NET CONFIGURATION**

- Machine config vs Web config
- App Settings
- Compilation setting
- Custom error setting
- Session State Setting
- Enhancement in ASP.NET
- Inprocess VS out process session state
- State server and SQL Server
- Cookie less session

## **ASP.NET TRACING**

- Page Level
- Application Level

## **E-mail Server**

## **SECURITY IN ASP.NET**

- Authentication & Authorization
- Windows Based Authentication
- Form Based Authentication
- Passport Authentication
- Membership

## **XML WEB SERVICES**

- Intro to Web Services
- Role of WSDL .NET support for XML Web Service
- Client Apps for Web Service
- Caching Web Service
- SOAP
- UDDI Registry

## **WCF**

## **MASTER PAGES SITE NAVIGATION**

### **WEB PARTS**

- Web part manager
- Zone Types

## **ASP.NET AJAX**

### **SILVERLIGHT**

- Shapes
- Animations
- Brushes
- Transformations

## **INTRODUCTION TO MVC**